

## TECHNICAL DATA SHEET

### JAYEM JNA 2045

#### JOINTING SHEET

#### Material Description

JAYEM JNA 2045 is a Non asbestos grade based on Carbon fibre and Nitrile Butadiene Rubber (NBR). Complies to BS7531 Grade X.

#### Colour

Black

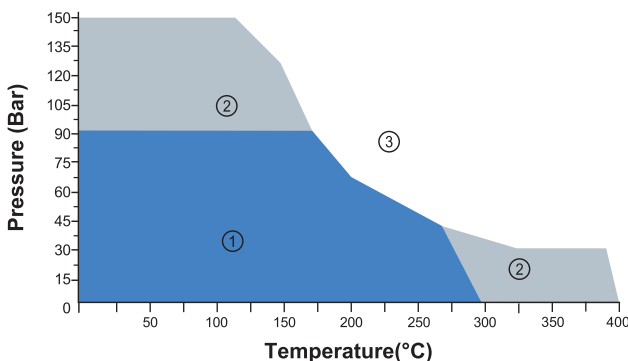
#### Application

Gasket material with excellent resistance to steam and Alkaline media. Most suitable for Petrochemical and chemical industries. It can be used for oils, fuel and gases for various industrial applications.

### TYPICAL PHYSICAL PROPERTIES APPLICABLE FOR THICKNESS 1.5 MM

Description	Specification	Unit	Typical Value
Density	ASTM F 1315	gm/cm <sup>3</sup>	1.60 - 2.0
Tensile Strength	ASTM F 152	N/mm <sup>2</sup> (Min)	8
Compressibility	ASTM F 36 J	%	7 - 12
Recovery	ASTM F 36 J	%(Min)	50
Stress Relaxation/Residual Stress	BS 7531	Mpa (Min)	25
Gas Permeability	BS 7531	ml/min(Max)	1.0
ASTM Oil No 3/IRM 903 (5hrs 150°C)			
Thickness Increase	ASTM F 146	Max%	8.0
Weight Increase	ASTM F 146	Max%	10.0
ASTM Fuel B (5hrs 23°C)			
Thickness Increase	ASTM F 146	Max%	7.0
Weight Increase	ASTM F 146	Max%	10.0
Water (5hrs 100°C)			
Thickness Increase	ASTM F 146	Max%	7.0
Weight Increase	ASTM F 146	Max%	15.0
Ignition Loss	ASTM F 495	Max%	30.0

### OPERATING PARAMETERS



Peak/Short Term Temperature	<b>400°C</b>
Continuous Temperature	<b>300°C</b>
Maximum Temperature for Steam	<b>280°C</b>
Maximum Pressure	<b>150 Bar</b>

#### Guidelines for application:

- ① Suitable subject to chemical compatibility.
- ② Suitable for short term temperature fluctuation or non critical application.
- ③ For extreme conditions, consult manufacturer.

### SHEET DIMENSION

Available Size	1000 x 1000 mm, 1000 x 1500 mm, 1500 x 1500 mm, 1500 x 2000 mm, 1500 x 2250 mm, 1500 x 4500 mm
Thickness	0.30 mm to 5.00 mm